

**AMENDMENTS TO THE CLAIMS:**

Please amend claims 1-22 as indicated below.

(Currently amended) 1. A method for performing diagnostics on a computer peripheral device, said method comprising:

coupling a computer executing ~~comprising~~ a web browser to a backend server via a communication link;

~~via a peripheral device coupled to said computer and comprising a web server,~~ constructing and sending a peripheral device HTTP message to said web browser from a web server executing in a peripheral device coupled to the computer, the peripheral device HTTP message comprising peripheral device functionality information;

~~via said web browser,~~ forwarding said peripheral device HTTP message from said web server to said backend server;

~~via said backend server, and in response to receiving said peripheral device HTTP message,~~ constructing and transmitting from said backend server to said peripheral device one of a directive web page ~~to said peripheral device~~ requesting more information from the peripheral device and if more information is needed, or a constructing and transmitting a human readable web page ~~to said web browser, indicating~~ that contains diagnostic results ~~if more information is not needed;~~

~~via said web server,~~ automatically responding to a directive web page  
received at the web server with another ~~a new~~ peripheral device HTTP message  
comprising functionality information; and

iteratively communicating between said backend server and said  
peripheral device ~~[[is]]~~ until ~~a user communication point is reached, which~~  
~~communication point precedes transmitting said human readable web page is~~  
constructed by said backend server.

(Currently amended) 2. The method of Claim 1, ~~wherein~~ said peripheral device  
being [is] an image reproduction device.

(Currently amended) 3. The method of Claim 2, ~~wherein~~ said image reproduction  
device being [is] a printer.

(Currently amended) 4. The method of Claim 1 ~~[[,]]~~ further comprising: ~~via a~~  
~~PostScript function interface,~~

generating said peripheral device functionality information with a  
PostScript function interface in response to a call from said web server.

(Currently amended) 5. The method of Claim 1, ~~wherein~~ said communication link  
~~comprises~~ being the World Wide Web.

(Currently amended) 6. A method for performing diagnostics on a computer peripheral device, said method comprising:

coupling a computer executing ~~comprising~~ a web browser to a backend server via a communication link;

~~via a peripheral device coupled to said computer and comprising a web server,~~ constructing and sending a peripheral device HTTP message to said web browser from a web server operating within a peripheral device that is coupled to the computer, the peripheral device HTTP message comprising peripheral device functionality information;

~~via said web browser,~~ forwarding said peripheral device HTTP message to said backend server via said web browser;

~~via said backend server, and in response to receiving said peripheral device HTTP message,~~ constructing and transmitting a directive web page to said peripheral device requesting more information in response to said peripheral device HTTP message having insufficient information; ~~if more information is needed, or a~~

constructing and transmitting a human readable web page indicating diagnostic results to said web browser in response to said peripheral device HTTP message having sufficient information, ~~indicating diagnostic results if more information is not needed;~~

~~via said web server,~~ automatically responding to a directive web page received from the backend server with another ~~a new~~ peripheral device HTTP message comprising functionality information;

iteratively communicating between said backend server and said peripheral device ~~[[is]] until a user communication point is reached, which communication point precedes transmitting said human readable web page is~~ constructed by said backend server; and

~~via a rules-based diagnostic database subsumed by said backend server,~~  
constructing and transmitting iterative responses to peripheral HTTP messages with reference to a rules based diagnostic database operating with said backend server.

(Currently amended) 7. The method of Claim 6 ~~[[1,]] further comprising; in response to code in said redirect web pages, said peripheral device executing~~ ~~[[said]] code~~ in said directive web pages to manipulate features of said peripheral device.

(Currently amended) 8. The method of Claim 1, ~~wherein~~ said diagnostic results ~~comprise~~ identifying a user executable solution to a problem corresponding to data in the peripheral device HTTP message ~~experienced by said peripheral device.~~

(Currently amended) 9. The method of Claim 1, ~~wherein~~ said diagnostic results identifying ~~comprise a solution to a problem experienced by said peripheral device which can be remedied by replacing a user-replaceable peripheral device~~

component that can be replaced to solve a problem corresponding to data in the peripheral device HTTP message.

(Currently amended) 10. The method of Claim 1, ~~wherein~~ said web pages being constructed with ~~utilize~~ Hyper Text Markup Language (HTML).

(Currently amended) 11. The method of Claim 1, ~~wherein~~ said peripheral device functionality information in said peripheral device HTTP message including ~~comprises~~ data in Extensible Markup Language (XML) format.

(Currently amended) 12. A system for performing diagnostics on a computer peripheral device, said system comprising:

a backend server;

a computer executing ~~comprising~~ a web browser;

a communication link coupled between said computer and said backend server; ~~and~~

a peripheral device coupled to said computer, the peripheral device including ~~and comprising~~ a web server, said web server adapted to construct and send a peripheral device HTTP message to said web browser comprising peripheral device functionality information;

~~wherein~~ said web browser being [is] adapted to forward said peripheral device HTTP message to said backend server, and

said backend server being ~~[[is]]~~ adapted to, in response to receiving said peripheral device HTTP message, construct and transmit a directive web page to said peripheral device requesting more information in response to said peripheral device HTTP message having insufficient information ~~if more information is needed~~, or a human readable web page to said web browser~~[[,]]~~ indicating diagnostic results in response to said peripheral device HTTP message having sufficient information ~~if more information is not needed~~, and said web server being ~~[[is]]~~ adapted to respond automatically ~~respond~~ to a directive web page with another ~~a new~~ peripheral device HTTP message comprising functionality information, and the communication between said backend server and said peripheral device iteratively continues ~~is iterative~~ until a user communication point is reached, which communication point precedes ~~transmitting said human readable web page~~ is constructed by said backend server.

(Currently amended) 13. The system of Claim 12, ~~wherein~~ said peripheral device being ~~is~~ an image reproduction device.

(Currently amended) 14. The system of Claim 13, ~~wherein~~ said image reproduction device being ~~is~~ a printer.

(Currently amended) 15. The system of Claim 12, ~~wherein~~ said peripheral device further ~~comprises~~ comprising a PostScript function interface adapted to generate

said peripheral device functionality information in response to a call from said web server.

(Currently amended) 16. The system of Claim 12, ~~wherein~~ said communication link ~~comprises~~ comprising the World Wide Web.

(Currently amended) 17. The system of Claim 12, ~~wherein~~ said backend server ~~comprises~~ comprising a rules-based diagnostic database adapted to indicate iterative responses to peripheral device HTTP messages.

(Currently amended) 18. The system of Claim 12, ~~wherein~~ said ~~redirect~~ directive web pages ~~comprise~~ comprising code executable by said peripheral device to manipulate features of said peripheral device.

(Currently amended) 19. The system of Claim 12, ~~wherein~~ said diagnostic results ~~comprise~~ identifying a user executable solution to a problem corresponding to peripheral device functionality information ~~experienced by said peripheral device~~.

(Currently amended) 20. The system of Claim 12, ~~wherein~~ said diagnostic results ~~comprise~~ identifying a user-replaceable peripheral device component, replacement of which solves ~~solution to~~ a problem corresponding to peripheral device functionality information ~~experienced by said peripheral device which can be remedied by replacing a user-replaceable peripheral device component~~.

(Currently amended) 21. The system of Claim 12, ~~wherein~~ said web pages being constructed with ~~utilize~~ Hyper Text Markup Language (HTML).

(Currently amended) 22. The system of Claim 12, ~~wherein~~ said peripheral device functionality information ~~comprises~~ including data in Extensible Markup Language (XML) format.